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and German available on STN  
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NEWS HOURS STN Operating Hours Plus Help Desk Availability  
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7 FILES SEARCHED...  
L1 27 AGENT AND NEUR? AND CRITIC

=> focus

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ANSWERS FROM NON FOCUS FILE PUT AT END OF ANSWER SET.  
L2 27 FOCUS L1 1-

=> d 1-27

L2 ANSWER 1 OF 27 USPATFULL  
AN 1998:106060 USPATFULL  
TI Adaptive autonomous agent with verbal learning  
IN Hutchison, William, 2002 Linden Dr., Boulder, CO, United States 80304  
PI US 5802506 19980901  
AI US 1995-451543 19950526 (8)  
DT Utility  
LN.CNT 1410  
INCL INCLM: 706/020.000  
INCLS: 706/025.000; 706/026.000  
NCL NCLM: 706/020.000  
NCLS: 706/025.000; 706/026.000  
IC [6]  
ICM: G06F015-18  
EXF 395/21; 395/22; 395/23; 395/24

L2 ANSWER 2 OF 27 USPATFULL  
AN 1998:48387 USPATFULL  
TI Methods and compositions comprising DNA damaging agents and p53  
IN Roth, Jack A., Houston, TX, United States  
Fujiwara, Toshiyoshi, Okayama, Japan  
Grimm, Elizabeth A., Houston, TX, United States  
Mukhopadhyay, Tapas, Houston, TX, United States  
Zhang, Wei-Wei, Houston, TX, United States  
Owen-Schaub, Laurie B., Houston, TX, United States  
PA Board of Regents, The University of Texas System, Austin, TX, United States (U.S. corporation)  
PI US 5747469 19980505  
AI US 1994-233002 19940425 (8)  
RLI Continuation-in-part of Ser. No. US 1993-145826, filed on 29 Oct 1993 which is a continuation-in-part of Ser. No. US 1992-960513, filed on 13 Oct 1992 which is a continuation-in-part of Ser. No. US 1991-665538, filed on 6 Mar 1991, now abandoned  
DT Utility  
LN.CNT 2749  
INCL INCLM: 514/044.000  
INCLS: 435/172.300; 435/240.100; 435/240.200; 435/240.210; 435/320.100; 514/002.000  
NCL NCLM: 514/044.000  
NCLS: 435/320.100; 435/375.000; 514/002.000  
IC [6]  
ICM: A61K048-00  
ICS: C12N005-00; C12N015-00  
EXF 514/44; 435/91; 435/93.21; 435/172.1; 435/172.3; 435/240.1; 435/240.2; 435/320.1; 435/91.31; 424/93.2; 424/93.21  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 3 OF 27 USPATFULL  
AN 95:33211 USPATFULL  
TI Method and apparatus for truth detection  
IN Farwell, Lawrence A., Potomac, MD, United States  
PA Conte, Francis Luca, Swampscott, MA, United States (U.S. individual)

PI US 5406956 19950418  
AI US 1993-16215 19950418 (8)  
DT Utility  
LN.CNT 6894  
INCL INCLM: 128/731.000  
NCL NCLM: 600/544.000  
IC [6]  
ICM: A61B005-0484  
EXF 128/731-732

L2 ANSWER 4 OF 27 INSPEC COPYRIGHT 1999 IEE  
AN 1998:6047097 INSPEC DN C9811-1230D-207  
TI Totally model-free reinforcement learning by actor-critic Elman  
networks in non-Markovian domains.  
AU Mizutani, E.; Dreyfus, S.E. (Dept. of Ind. Eng. & Oper. Res., California  
Univ., Berkeley, CA, USA)  
SO 1998 IEEE International Joint Conference on Neural Networks Proceedings.  
IEEE World Congress on Computational Intelligence (Cat. No.98CH36227)  
New York, NY, USA: IEEE, 1998. p.2016-21 vol.3 of 3 vol. xxxvi+2561 pp. 24  
refs.  
Conference: Anchorage, AK, USA, 4-9 May 1998  
Price: CCCC 0 7803 4859 1/98/\$10.00  
ISBN: 0-7803-4859-1  
DT Conference Article  
TC Theoretical  
CY United States  
LA English

L2 ANSWER 5 OF 27 INSPEC COPYRIGHT 1999 IEE  
AN 1995:4970619 INSPEC DN C9507-1230D-250  
TI A neural network-like critic for reinforcement  
learning.  
AU Yamakawa, H. (Fujitsu Labs. Ltd., Kanagawa, Japan); Okabe, Y.  
SO Neural Networks (1995) vol.8, no.3, p.363-73. 23 refs.  
Price: CCCC 0893-6080/95/\$9.50+.00  
CODEN: NNETEB ISSN: 0893-6080  
DT Journal  
TC Theoretical; Experimental  
CY United States  
LA English

L2 ANSWER 6 OF 27 COMPENDEX COPYRIGHT 1999 EI  
AN 1998(44):3296 COMPENDEX  
TI Totally model-free reinforcement learning by actor-critic Elman  
networks in non-Markovian domains.  
AU Mizutani, Eiji (Univ of California at Berkeley, Berkeley, CA, USA);  
Dreyfus, Stuart E.  
MT Proceedings of the 1998 IEEE International Joint Conference on Neural  
Networks.Part 3 (of 3).  
MO IEEE  
ML Anchorage, AK, USA  
MD 04 May 1998-09 May 1998  
SO IEEE World Congress on Computational Intelligence IEEE International  
Conference on Neural Networks - Conference Proceedings v 3 1998.IEEE.  
Piscataway, NJ, USA.98CH36227.p 2016-2021  
CODEN: ICNNF9  
PY 1998  
MN 48914  
DT Conference Article

TC Theoretical  
LA English

L2 ANSWER 7 OF 27 SCISEARCH COPYRIGHT 1999 ISI (R)  
AN 95:304300 SCISEARCH  
GA The Genuine Article (R) Number: QV183  
TI A NEURAL NETWORK-LIKE CRITIC FOR REINFORCEMENT  
LEARNING  
AU YAMAKAWA H (Reprint); OKABE Y  
CS FUJITSU LABS LTD, NAKAHARA KU, 1015 KAMIKODANAKA, KAWASAKI, KANAGAWA 211,  
JAPAN (Reprint); UNIV TOKYO, TOKYO, JAPAN  
CYA JAPAN  
SO NEURAL NETWORKS. (1995) Vol. 8, No. 3, pp. 363-373.  
ISSN: 0893-6080.  
DT Article; Journal  
FS ENGI  
LA ENGLISH  
REC Reference Count: 23  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L2 ANSWER 8 OF 27 COMPENDEX COPYRIGHT 1999 EI  
AN 1995(28):3533 COMPENDEX  
TI Neural network-like critic for reinforcement learning.  
AU Yamakawa, Hiroshi (Fujitsu Lab Ltd, Kanagawa, Jpn); Okabe, Yoichi  
SO Neural Networks v 8 n 3 1995.p 363-373  
CODEN: NNETEB ISSN: 0893-6080  
PY 1995  
DT Journal  
TC Application  
LA English

L2 ANSWER 9 OF 27 PROMT COPYRIGHT 1999 IAC

ACCESSION NUMBER: 96:634927 PROMT  
TITLE: STUDY ALLEGES POSSIBLE LINK BETWEEN ASPARTAME AND BRAIN  
TUMORS; FDA, INDUSTRY, OTHER SCIENTISTS DISPUTE METHODOLOGY  
SOURCE: Food Chemical News. (11 Nov 1996) pp. N/A.  
ISSN: 0015-6337.  
LANGUAGE: English  
WORD COUNT: 673  
\*FULL TEXT IS AVAILABLE IN THE ALL FORMAT\*

L2 ANSWER 10 OF 27 USPATFULL  
AN 77:43589 USPATFULL  
TI Novel heterocyclic esters of benzopyranopyridines  
IN Harris, Louis Selig, Richmond, VA, United States  
Pars, Harry George, Lexington, MA, United States  
Sheehan, John Clark, Lexington, MA, United States  
Razdan, Raj Kumar, Belmont, MA, United States  
PA Sharps Associates, Cambridge, MA, United States (U.S. corporation)  
PI US 4042694 19770816  
AI US 1976-664907 19760308 (5)  
RLI Continuation-in-part of Ser. No. US 1972-311953, filed on 4 Dec 1972,  
now patented, Pat. No. US 3991194 which is a continuation-in-part of  
Ser. No. US 1971-212819, filed on 27 Dec 1971, now abandoned  
DT Utility  
LN.CNT 971  
INCL INCLM: 424/248.550  
INCLS: 424/267.000; 260/293.580

NCL NCLM: 514/232.800  
NCLS: 514/228.200; 540/467.000; 540/470.000; 540/481.000; 540/484.000;  
540/553.000; 540/575.000; 540/597.000; 544/126.000; 546/089.000  
IC [2]  
ICM: C07D491-04  
EXF 260/240R; 260/240D; 260/240K; 260/247.2B; 260/268TR; 260/293.58;  
260/295T; 260/243B; 424/246; 424/248; 424/250; 424/263; 424/267  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 11 OF 27 COMPENDEX COPYRIGHT 1999 EI  
AN 1997(14):8432 COMPENDEX  
TI Actor-critic learning based on fuzzy inference system.  
AU Jouffe, Lionel (INSA, Rennes, Fr)  
MT Proceedings of the 1996 IEEE International Conference on Systems, Man and  
Cybernetics.  
MO Tsinghua University  
ML Beijing, China  
MD 14 Oct 1996-17 Oct 1996  
SO Proceedings of the IEEE International Conference on Systems, Man and  
Cybernetics v 1 1996.IEEE, Piscataway, NJ, USA.96CH35929.p 339-344  
CODEN: PICYE3 ISSN: 0884-3627  
PY 1996  
MN 46016  
DT Conference Article  
TC Theoretical  
LA English

L2 ANSWER 12 OF 27 INSPEC COPYRIGHT 1999 IEE  
AN 1996:5484088 INSPEC DN C9703-1230-009  
TI Actor-critic learning based on fuzzy inference system.  
AU Jouffe, L. (Inst. Nat. des Sci. Appliques, Rennes, France)  
SO 1996 IEEE International Conference on Systems, Man and Cybernetics.  
Information Intelligence and Systems (Cat. No.96CH35929)  
New York, NY, USA: IEEE, 1996. p.339-44 vol.1 of 4 vol. 3234 pp. 17 refs.  
Conference: Beijing, China, 14-17 Oct 1996  
Sponsor(s): Tsinghua Univ  
Price: CCCC 0 7803 3280 6/96/\$5.00  
ISBN: 0-7803-3280-6  
DT Conference Article  
TC Theoretical  
CY United States  
LA English

L2 ANSWER 13 OF 27 INSPEC COPYRIGHT 1999 IEE  
AN 1995:4951440 INSPEC DN C9506-1230D-187  
TI Hybrid adaptive heuristic critic architectures for learning in  
mazes with continuous search spaces.  
AU Pipe, A.G. (Intelligent Autom. Syst. Lab., Univ. of West of England,  
Bristol, UK); Fogarty, T.C.; Winfield, A.  
SO Parallel Problem Solving from Nature - PPSN III. International Conference  
on Evolutionary Computation. The Third Conference on Parallel Problem  
Solving from Nature. Proceedings  
Editor(s): Davidor, Y.; Schwefel, H.-P.; Manner, R.  
Berlin, Germany: Springer-Verlag, 1994. p.482-91 of xv+642 pp. 18 refs.  
Conference: Jerusalem, Israel, 9-14 Oct 1994  
ISBN: 3-540-58484-6  
DT Conference Article  
TC Theoretical  
CY Germany, Federal Republic of

LA English

L2 ANSWER 14 OF 27 INSPEC COPYRIGHT 1999 IEE  
AN 1997:5745984 INSPEC DN C9712-5290-009  
TI The need for improved reinforcement learning techniques in intelligent agents.  
AU Wunsch, D.; Prokhorov, D. (Dept. of Electr. Eng., Texas Tech. Univ., Lubbock, TX, USA)  
SO 1997 IEEE International Conference on Systems, Man, and Cybernetics. Computational Cybernetics and Simulation (Cat. No.97CH36088-5)  
New York, NY, USA: IEEE, 1997. p.3073-7 vol.4 of 5 vol. 4535 pp. 39 refs.  
Conference: Orlando, FL, USA, 12-15 Oct 1997  
Sponsor(s): Syst., Man, & Cybernetics Soc. IEEE  
Price: CCCC 0 7803 4053 1/97/\$10.00  
ISBN: 0-7803-4053-1  
DT Conference Article  
TC Practical  
CY United States  
LA English

L2 ANSWER 15 OF 27 INSPEC COPYRIGHT 1999 IEE  
AN 1999:6299948 INSPEC DN C1999-08-1230L-071  
TI Emotion and learning: solving delayed reinforcement learning problem using emotionally reinforced connectionist network.  
AU Bozinovski, S. (Dept. of Electr. Eng., Skopje Univ., Macedonia); Bozinovska, L.  
SO Emotional and Intelligent: Tangled Knot of Cognition. Papers from the 1998 AAAI Fall Symposium  
Menlo Park, CA, USA: AAAI Press, 1998. p.29-30 of ix+188 pp. 9 refs.  
Conference: Orlando, FL, USA, 23-25 Oct 1998  
ISBN: 1-57735-077-4  
DT Conference Article  
TC Theoretical  
CY United States  
LA English

L2 ANSWER 16 OF 27 PROMT COPYRIGHT 1999 IAC

ACCESSION NUMBER: 96:192674 PROMT  
TITLE: Polio Vaccine Questioned after Scientist Links Live Vaccine to Illness in Veterans  
SOURCE: Vaccine Weekly, (8 Apr 1996) pp. N/A.  
ISSN: 1074-2921.  
LANGUAGE: English  
WORD COUNT: 493  
\*FULL TEXT IS AVAILABLE IN THE ALL FORMAT\*

L2 ANSWER 17 OF 27 USPATFULL  
AN 1998:139512 USPATFULL  
TI System for generation of object profiles for a system for customized electronic identification of desirable objects  
IN Herz, Frederick S. M., Box 625 Canaan Valley, Davis, WV, United States 26260  
Eisner, Jason M., 1015 Spruce St., Philadelphia, PA, United States 19107  
Ungar, Lyle H., 321 S. 20th St., Philadelphia, PA, United States 19103  
PI US 5835087 19981110  
AI US 1995-551201 19951031 (8)  
RLI Continuation-in-part of Ser. No. US 1994-346425, filed on 29 Nov 1994,

now patented. Pat. No. US 5758257  
DT Utility  
LN.CNT 5129  
INCL INCLM: 345/327.000  
INCLS: 348/001.000; 348/007.000; 348/010.000; 348/012.000; 348/013.000;  
455/002.000; 455/004.200; 455/005.100  
NCL NCLM: 345/327.000  
NCLS: 348/001.000; 348/007.000; 348/010.000; 348/012.000; 348/013.000;  
455/002.000; 455/004.200; 455/005.100  
IC [6]  
ICM: H04N007-14  
EXF 348/1; 348/2; 348/6; 348/7; 348/10; 348/12; 348/13; 348/906; 455/2;  
455/3.1; 455/4.1; 455/4.2; 455/5.1; 455/6.1; 455/6.2; 455/6.3;  
H04N007-10; 714; 7173; <345 326-;327; <395 200-.47;200.48;200.49

L2 ANSWER 18 OF 27 USPATFULL  
AN 1998:56165 USPATFULL  
TI System for generation of user profiles for a system for customized  
electronic identification of desirable objects  
IN Herz, Frederick S. M., Box 625 Canaan Valley, Davis, WV, United States  
26260  
Eisner, Jason M., 1015 Spruce St., Philadelphia, PA, United States  
19107  
Ungar, Lyle H., 321 S. 20th St., Philadelphia, PA, United States 19103  
Marcus, Mitchell P., 7200 McCallum St., Philadelphia, PA, United States  
19119  
PI US 5754939 19980519  
AI US 1995-551197 19951031 (8)  
RLI Continuation-in-part of Ser. No. US 1994-346425, filed on 29 Nov 1994  
DT Utility  
LN.CNT 5011  
INCL INCLM: 455/004.200  
INCLS: 348/002.000; 348/007.000; 348/010.000; 348/012.000; 395/200.490;  
455/005.100  
NCL NCLM: 455/004.200  
NCLS: 348/002.000; 348/007.000; 348/010.000; 348/012.000; 455/005.100;  
707/501.000; 709/219.000  
IC [6]  
ICM: H04H001-00  
ICS: H04N007-10; H04N007-14; H01J013-00  
EXF 455/3.1; 455/4.1; 455/4.2; 455/5.1; 455/6.1; 455/6.2; 348/1; 348/2;  
348/6; 348/7; 348/8; 348/10; 348/11; 348/12; 348/13; 395/200.47;  
395/200.48; 395/200.49; H04N007-10; 714; 7173

L2 ANSWER 19 OF 27 USPATFULL  
AN 1998:56164 USPATFULL  
TI Pseudonymous server for system for customized electronic identification  
of desirable objects  
IN Herz, Frederick S. M., Box 625 Canaan Valley, Davis, WV, United States  
26260  
Eisner, Jason M., 1015 Spruce St., Philadelphia, PA, United States  
19107  
Salganicoff, Marcos, 2425 Olive St., Philadelphia, PA, United States  
19130  
PI US 5754938 19980519  
AI US 1995-550886 19951031 (8)  
RLI Continuation-in-part of Ser. No. US 1994-346425, filed on 29 Nov 1994  
DT Utility  
LN.CNT 5101



INCL INCLM: 455/004.200  
INCLS: 349/002.000; 349/005.500; 349/007.000; 349/012.000; 349/000.490;  
455/005.100; 380/009.000  
NCL NCLM: 455/004.200  
NCLS: 348/002.000; 348/005.500; 348/007.000; 348/012.000; 380/009.000;  
455/005.100; 709/219.000  
IC [6]  
ICM: H01H001-00  
ICS: H04N007-14; H04N007-173; H01J013-00  
EXF 455/3.1; 455/4.1; 455/4.2; 455/5.1; 455/6.1; 455/6.2; 348/1; 348/2;  
348/6; 348/7; 348/8; 348/10; 348/11; 348/12; 348/13; 348/5.5;  
395/200.47; 395/200.48; 395/200.49; H04N007-10; 714; 7173; 716; <380  
5:3-;6:7;9:10

L2 ANSWER 20 OF 27 COMPENDEX COPYRIGHT 1999 EI  
AN 1998(3):4741 COMPENDEX  
TI Need for improved reinforcement learning techniques in intelligent agents.  
AU Wunsch, Donald (Texas Tech Univ, Lubbock, TX, USA); Prokhorov, Daniil  
MT Proceedings of the 1997 IEEE International Conference on Systems, Man, and  
Cybernetics.Part 4 (of 5).  
MO IEEE  
ML Orlando, FL, USA  
MD 12 Oct 1997-15 Oct 1997  
SO Proceedings of the IEEE International Conference on Systems, Man and  
Cybernetics v 4 1997.IEEE, Piscataway, NJ, USA,97CB36088.p 3073-3077  
CODEN: PICYE3 ISSN: 0884-3627  
PY 1997  
MN 47342  
DT Conference Article  
TC Theoretical  
LA English

L2 ANSWER 21 OF 27 COMPENDEX COPYRIGHT 1999 EI  
AN 1997(43):10197 COMPENDEX  
TI Need for improved reinforcement learning techniques in intelligent agents.  
AU Wunsch, Donald (Texas Tech Univ, Lubbock, TX, USA)  
MT Proceedings of the 1997 IEEE International Conference on Neural  
Networks.Part 4 (of 4).  
MO IEEE  
ML Houston, TX, USA  
MD 09 Jun 1997-12 Jun 1997  
SO IEEE International Conference on Neural Networks - Conference Proceedings  
v 4 1997.IEEE, Piscataway, NJ, USA,97CB36109.p 2279-2282  
CODEN: ICNNF9  
PY 1997  
MN 46924  
DT Conference Article  
TC General Review  
LA English

L2 ANSWER 22 OF 27 INSPEC COPYRIGHT 1999 IEE  
AN 1994:4750388 INSPEC DN C9410-3390-102  
TI Reinforcement learning methods for multi-linked manipulator obstacle  
avoidance and control.  
AU Tham, C.K.; Prager, R.W. (Dept. of Eng., Cambridge Univ., UK)  
SO Asia-Pacific Workshop on Advances in Motion Control Proceedings (Cat.  
No.93TH0541-3)  
New York, NY, USA: IEEE, 1993. p.140-5 of 246 pp. 7 refs.  
Conference: Singapore, 15-16 July 1993

Sponsor(s): IEEE Ind. Electron. Soc.; IEEE Singapore Sect.; Inst. of Mech. & Control Soc. Singapore; Nat. Univ. Singapore Electr. Eng. Dept.; Nat. Univ. Singapore Mech. & Production Eng. Dept.; Nat. Univ. Singapore Magnetics Technol. Centre  
Price: CCCC 0 7803 1223 6/93/\$3.00  
ISBN: 0-7803-1223-6

DT Conference Article  
TC Theoretical; Experimental  
CY United States  
LA English

L2 ANSWER 23 OF 27 JICST-EPlus COPYRIGHT 1999 JST  
AN 960064163 JICST-EPlus  
TI Adaptive Navigation of Autonomus Mobile Robot by Reinforcement Learning.  
AU NAGAYA SHUNSUKE; KOSUGI YUKIO; KAMEYAMA KEISUKE  
CS Grad. Sch. at Nagatsuta Tokyo Inst. of Technol.  
SO Denshi Joho Tsushin Gakkai Gijutsu Kenkyu Hokoku (IEIC Technical Report (Institute of Electronics, Information and Communication Enginners)), (1995) vol. 95, no. 389(NC95 65-73), pp. 29-36. Journal Code: S0532B (Fig. 15, Ref. 5)

CY Japan  
DT Journal: Article  
LA Japanese  
STA New

L2 ANSWER 24 OF 27 COPYRIGHT 1999 IAC

AN 96:413900 NLDB  
TI STUDY ALLEGES POSSIBLE LINK BETWEEN ASPARTAME AND BRAIN TUMORS; FDA, INDUSTRY, OTHER SCIENTISTS DISPUTE METHODOLOGY  
SO Food Chemical News, (11 Nov 1996) Vol. 38, No. 38.  
ISSN: 0015-6337.  
PB Food Chemical News, Inc.  
DT Newsletter  
LA English  
WC 673

L2 ANSWER 25 OF 27 COPYRIGHT 1999 IAC

AN 96:123394 NLDB  
TI Polio Vaccine Questioned after Scientist Links Live Vaccine to Illness in Veterans  
SO Vaccine Weekly, (8 Apr 1996) .  
ISSN: 1074-2921.  
PB Charles W Henderson  
DT Newsletter  
LA English  
WC 493

L2 ANSWER 26 OF 27 COPYRIGHT 1999 IAC

AN 97:369267 NLDB  
TI Grantees Link ATP To Cycle-Time Reductions  
SO High Performance Computing, (27 Oct 1997) Vol. 6, No. 41.  
ISSN: 1069-2096.  
PB King Communications Group, Inc.  
DT Newsletter  
LA English  
WC 2840

L2 ANSWER 27 OF 27 COMPU SCIENCE COPYRIGHT 1999 FIZ KARLSRUHE  
AN 1995(6):CS55314 COMPUSCIENCE  
TI A neural network-like critic for reinforcement learning.  
AU Yamakawa, Hiroshi (Fujitsu Lab. Ltd., 1015, Kamikodanaka, Nakahara-ku,  
Kawasaki, Kanagawa 211, Japan); Okabe, Yoichi (Univ. of Tokyo, Tokyo,  
Japan)  
SO Neural Networks. (1995) v. 8(3) p. 363-373.  
New York: Pergamon Press.  
The Official Journal of the International Neural Network Society,  
European Neural Network Society and Japanese Neural Network Society.  
ISSN: 0893-6080  
DT Journal  
TC Methodical  
CY United States  
LA English  
IP FIZKA